In Field Instrument Review Date Range: 2025.01.04 – 2025.02.21 Review Completed on 2025.03.18 by Carlie Glaister

Status Messages and Action Taken

100342 (Unalaska PD): 2/12 RFI on Subject Tests, 1/12 Pump Error on Subject Tests – No action taken.

100351 (AST/Soldotna): 4/11 RFI on Subject Tests, 1/1 Diagnostic Failed due to pump on VOC Test followed by a passing VOC test on 02/22/2025 – No action taken.

100354 (Anchorage PD): 1/135 RFI on Subject Tests, 1/135 Pump Error on Subject Tests followed by a completed test, 2/135 Subject Interference on Subject Tests, 3/135 Blank Error on Subject Tests followed by completed tests, 1/135 Internal Standard Error on Subject Tests followed by a completed test. Numerous tests occurred after the Internal Standard Error and this status message has not recurred at this time – No action taken.

100358 (AST/Mat-Su West): 2/9 RFI on Subject Tests, 1/9 Blank Error on Subject Tests followed by a completed test – No action taken.

100366 (Kodiak PD): 1/15 Pump Error on Subject Tests, 2/15 Standard Out of Range on Subject Tests, 1/15 Filter Wheel Error on Subject Tests. The Standard Out of Range and Filter Wheel Error all occurred on the same subject – Recommend monitoring for Standard Out of Range and Filter Wheel Errors.

100369 (AST/Fairbanks): 1/3 Diagnostic Failed due to RFI on VOC Tests on 2/14/2024. Followed by a completed VOC on 2/14/2025 and 2/21/2025 – No action taken.

100379 (AST/Anchor Point): 2/3 Standard Out of Range on Subject Tests, 1/4 Standard Out of Range on VOC Tests. A tank change was performed on 1/19/2025 – Recommend monitoring for Standard Out of Range.

100380 (Ketchikan PD): 3/16 Tank Interference on Subject Tests, 2/16 Blank Error on Subject Tests, 3/16 Gas Flow Error on Subject Tests, 1/3 Blank Error on VOC Tests. Instrument was removed from service – 100380 2025.02.25 Change In Status.

100382 (Petersburg PD): 1/3 Tank Interference on VOC Tests, 1/3 Diagnostic Failed due to pump on VOC Tests. Instrument was removed from service – 100382 2025.01.10 Change In Status.

100389 (AST/Fairbanks): 4/29 Filter Wheel Errors on Subject Tests. A replacement instrument was sent on 2/13/2025 and placed in service on 2/14/2025. Instrument removed from service ~ 2/14/2025. A Change In Instrument Status Form has not been received by the crime lab at this time, these are often accompanied by the instrument when it returns to the crime lab – Instrument removed from service.

100403 (Wasilla PD): 1/14 Detector Overflow on Subject Tests (this occurred on Test/Test) – No action taken.

100405 (Craig PD): 1/5 Pump Error on Subject Tests – No action taken.

100413 (Fairbanks PD): 1/17 RFI on Subject Tests - No action taken.

100421 (JBER): 2/10 Blank Error on Subject Tests followed by completed tests – No action taken.

100424 (Eielson AFB): 1/4 Pump Error on Subject Tests – No action taken.

100668 (North Pole PD): 2/13 RFI on Subject Tests - No action taken.

100669 (Palmer PD): 3/38 RFI on Subject Tests, 1/38 Pump Error on Subject Tests, 1/38 Tank Interference on Subject Tests followed by a completed test – No action taken.

100673 (Seward PD): 2/9 RFI on Subject Tests, 2/9 Blank Error on Subject Tests. Both Blank Errors occurred on the same subject – No action taken.

100675 (AST/Angoon): 3/3 Diagnostic Failed due to pump on VOC Tests – Instrument is out of service as of 12/12/2024 (100675 2024.12.12 Change In Status). This instrument is being replaced (100675 2025.03.06 Change In Status).

100683 (AST/Ketchikan): 1/1 Internal Standard Error on VOC Test followed by a completed VOC on 2/24/2025. Internal standard may be trending above 3% - Recommend monitoring for Internal Standard Errors.

100687 (King Cove PD): 1/3 Tank Interference on VOC Tests, 1/3 Blank Error on VOC Tests. Both status messages occurred on 2/21/2025 and were followed by a completed VOC on 2/21/2025 – Recommend monitoring for Tank Interference and Blank Errors.

100691 (Cordova PD): 1/12 Gas Flow Error on Subject Tests followed by a completed test – No action taken.

100697 (Anchorage PD): 21/113 RFI on Subject Tests, 2/113 Subject Interference on Subject Tests, 1/113 Tank Interference on Subject Tests (this occurred on Test/Test), 1/113 Internal Standard Error on Subject Tests followed by a completed test. 16 RFI status messages occurred in a row between 1/29/2025 – 1/31/2025. Some troubleshooting occurred which appears to have resolved the RFI issue (100697 2025.01.31 Change In Status). Numerous tests occurred after the Internal Standard Error and this status message has not recurred at this time – No action taken.

100698 (AST/Glennallen): 1/6 RFI on Subject Tests, 1/6 Ambient Fail on Subject Tests (both status messages occurred on Test/Test) – No action taken.

Follow Up from Previous In Field Instrument Review

100696 (Bethel PD): Instrument was being monitored for gas flow errors. Gas flow errors occurred between 12/14/2024-12/29/2024. There was a tank change on 12/31/2024. This status message has not recurred and there have been numerous tests. Tank changes appear to have resolved this – Discontinue monitoring.

Agencies not included in this summary:

100695 (Sand Point PD): Instrument is unable to upload. No VOCs have been received for this instrument since it went in service on 11/26/2024. Agency is unresponsive.

100356 (Petersburg PD): Crime lab has been unable to receive datafiles from instrument. VOC from 1/10/2025 (in service date) and 2/21/2025 are needed. Agency is unresponsive this cycle.

100345 (AST/Galena): Instrument has been unable to upload. No current point of contact at agency to request datafiles from. VOC from 2/21/2025 is needed.

		- 51		Subject Test Data																		
					1/4/2025	2/21/2025	Tota	al Messages	75	12.6%												
Serial Number	Total Subject Tests		RFI	Pump Error		Interference		Tank Interference		Blank Error		Standard Out of Range		Gas Flow Error		Ambient Fail		Internal Standard Error		Diagnostic Failed		Total Codes
100342	12	2	17%	1	8%	0	0%	0	0%	0	0 0%		0%	0	0%	0	0%	0	0%	0	0%	3
100351	11	4	36%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	4
100354	135	1	1%	1	1%	2	1%	0	0%	3	2%	0	0%	0	0%	0	0%	1	1%	0	0%	8
100358	9	2	22%	0	0%	0	0%	0	0%	1	11%	0	0%	0	0%	0	0%	0	0%	0	0%	3
100366	15	0	0%	1	7%	0	0%	0	0%	0	0%	2	13%	0	0%	0	0%	0	0%	0	0%	3
100379	3	0	0%	0	0%	0	0%	0	0%	0	0%	2	67%	0	0%	0	0%	0	0%	0	0%	2
100380	16	0	0%	0	0%	0	0%	3	19%	2	13%	0	0%	3	19%	0	0%	0	0%	0	0%	8
100405	5	0	0%	1	20%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100413	17	1	6%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100421	10	0	0%	0	0%	0	0%	0	0%	2	20%	0	0%	0	0%	0	0%	0	0%	0	0%	2
100424	4	0	0%	1	25%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100668	13	2	15%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2
100669	38	3	8%	1	3%	0	0%	1	3%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	5
100673	9	2	22%	0	0%	0	0%	0	0%	2	22%	0	0%	0	0%	0	0%	0	0%	0	0%	4
100691	12	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1	8%	0	0%	0	0%	0	0%	1
100697	113	21	19%	0	0%	2	2%	1	1%	0	0%	0	0%	0	0%	0	0%	1	1%	0	0%	25
100698	6	1	17%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1	17%	0	0%	0	0%	2
Total	597	39	7%	6	1%	4	1%	5	1%	10	2%	4	1%	4	1%	1	0%	2	0%	0	0%	75
		Th	e date ra	inge list	ed above	e represe	ents the fi	rst and last	dates of	data genera	ted from the	DMHost rep	ort. The sea	arch rang	e could be	larger th	an the d	ate range	listed.			

In Field Instrument Review Worksheet

	Date	Range		Total Tests	597																	
		1/4/2025	2/21/2025	Tota	I Messages	6	1.0%															
Serial Number	Total Subject Tests	User Abort		Detector Overflow		Barometer Error		Filter W	Filter Wheel Error		Suck Back Error		Undefined Error		Filter 1 Won't Zero		Samp Chamb Low		Breath Tube High		Static Analysis Error	
100366	15	0	0%	0	0%	0	0%	1	7%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100389	29	0	0%	0	0%	0	0%	4	14%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	4
100403	14	0	0%	1	7%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
Total	597	0	0%	1	0%	0	0%	5	1%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	6
			The date	range list	ed above re	epresents t	the first an	d last dates	s of data ge	enerated fro	m the DMHos	t report. 1	he search	range cou	d be larger	than the d	late range l	isted.		-		

In Field Instrument Review Worksheet

			Date Range		Total Tests																	
		ata					1/7/2025	2/21/2025	Tot	al Messages	12	12.2%										
Serial Number	Total VOC Tests	RFI		RFI Pump		Interference		Tank Interference		Blank Error		Standard Out of Range		Gas Flow Error		Ambient Fail		Internal Standard Error		Diagnostic Failed		Total Codes
100351	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1	100%	1
100369	3	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1	33%	1
100379	4	0	0%	0	0%	0	0%	0	0%	0	0%	1	25%	0	0%	0	0%	0	0%	0	0%	1
100380	3	0	0%	0	0%	0	0%	0	0%	1	33%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100382	3	0	0%	0	0%	0	0%	1	33%	0	0%	0	0%	0	0%	0	0%	0	0%	1	33%	2
100675	3	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	3	100%	3
100683	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1	100%	0	0%	1
100687	3	0	0%	0	0%	0	0%	1	33%	1	33%	0	0%	0	0%	0	0%	0	0%	0	0%	2
Total	98	0	0%	0	0%	0	0%	2	2%	2	2%	1	1%	0	0%	0	0%	1	1%	6	6%	12
		Th	e date ra	ange list	ted abov	e represe	ents the fi	rst and last	dates of	data genera	ted from the	DMHost re	port. The sea	arch rang	e could be	a larger th	nan the d	ate range	listed.			

In Field Instrument Review Worksheet

															1							
			VOC	C Data	I					ate Range 25 2/21/2025	Tota	Total Tests I Messages	98 0	0.0%								
Serial Number 100255	Total VOC Tests	Use	er Abort	Detecto 0	or Overflow 0%	Barometer Error 0 0%	Filter W	heel Error 0%	Suc 0	k Back Error 0%	Undefir 0	ned Error 0%	Filter 1 W	on't Zero 0%	Samp Ch	amb Low 0%	Breath 1 0	ube High 0%	Static A	nalysis Error 0%	Total Codes 0	
100342	1	0	0%	0	0%	0 0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	
100343 100344	0	0	0%	0	0%	0 0%	0	0% 0%	0	0%	0	0%	0	0%	0	0% 0%	0	0% 0%	0	0%	0	
100345 100346	0	0	0%	0	0%	0 0% 0 0%	0	0% 0%	0	0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0%	0	
100347	1	0	0%	0	0%	0 0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	
100348 100349	1 3	0	0%	0	0%	0 0%	0	0%	0	0%	0	0%	0	0%	0	0% 0%	0	0%	0	0%	0	
100350	0	0	0%	0	0%	0 0% 0 0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	
100351 100352	1	0	0%	0	0%	0 0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	
100353 100354	0	0	0%	0	0%	0 0%	0	0% 0%	0	0%	0	0%	0	0%	0	0% 0%	0	0% 0%	0	0%	0	
100355	0	0	0%	0	0%	0 0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	
100356 100357	0	0	0%	0	0%	0 0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	
100358	1	0	0%	0	0%	0 0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	
100359 100360	0	0	0%	0	0%	0 0%	0	0%	0	0% 0%	0	0% 0%	0	0%	0	0%	0	0% 0%	0	0%	0	
100361 100362	0	0	0%	0	0%	0 0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	
100363	1	0	0%	0	0%	0 0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	
100364 100365	1 0	0	0%	0	0%	0 0%	0	0%	0	0%	0	0%	0	0%	0	0% 0%	0	0%	0	0%	0	
100366 100367	2	0	0%	0	0%	0 0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	
100368	1	Ő	0%	0	0%	0 0%	0	0%	Ő	0%	0	0%	0	0%	0	0%	0	0%	0	0%	Ö	
100369 100370	3	0	0%	0	0%	0 0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	
100371 100372	1	0	0%	0	0%	0 0%	0	0%	0	0%	0	0% 0%	0	0%	0	0% 0%	0	0% 0%	0	0%	0	
100373	Ö	0	0%	0	0%	0 0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	Ö	
100374 100375	1 0	0	0%	0	0%	0 0%	0	0%	0	0%	0	0%	0	0%	0	0% 0%	0	0%	0	0%	0	
100376	0	0	0%	0	0%	0 0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	
100377 100378	1	0	0%	0	0%	0 0%	0	0%	Ő	0% 0%	0	0% 0%	0	0% 0%	0	0%	0	0% 0%	0	0%	Ö	
100379 100380	4 3	0	0%	0	0%	0 0% 0 0%	0	0%	0	0%	0	0% 0%	0	0%	0	0% 0%	0	0%	0	0%	0	
100381	0 3	0	0%	0	0%	0 0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	
100382 100384	1	0	0%	0	0%	0 0%	0	0%	0	0%	0	0%	0	0% 0%	0	0% 0%	0	0%	0	0%	0	
100385 100386	0	0	0%	0	0%	0 0% 0 0%	0	0% 0%	0	0%	0	0% 0%	0	0%	0	0% 0%	0	0% 0%	0	0%	0	
100387	0	0	0%	0	0%	0 0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	
100388 100389	0	0	0%	0	0%	0 0%	0	0%	0	0%	0	0% 0%	0	0%	0	0% 0%	0	0% 0%	0	0%	0	
100390	1	0	0%	0	0%	0 0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	
100391 100392	0	0	0%	0	0%	0 0% 0 0%	0	0% 0%	0	0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0%	0	
100395 100396	0	0	0%	0	0%	0 0%	0	0%	0	0%	0	0%	0	0%	0	0% 0%	0	0%	0	0%	0	
100397	0	0	0%	0	0%	0 0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	
100398 100399	0	0	0%	0	0%	0 0%	0	0% 0%	0	0%	0	0%	0	0%	0	0% 0%	0	0% 0%	0	0%	0	
100400 100402	0	0	0%	0	0%	0 0%	0	0%	0	0%	0	0%	0	0%	0	0% 0%	0	0% 0%	0	0%	0	
100403	1	0	0%	0	0%	0 0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	
100404 100405	1	0	0%	0	0%	0 0%	0	0%	0	0%	0	0%	0	0%	0	0% 0%	0	0%	0	0%	0	
100406 100410	0 3	0	0%	0	0%	0 0% 0 0%	0	0% 0%	0	0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0%	0	
100411	0	0	0%	0	0%	0 0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	
100412 100413	1	0	0%	0	0%	0 0%	0	0%	0	0%	0	0%	0	0%	0	0% 0%	0	0% 0%	0	0%	0	
100414	1	0	0%	0	0%	0 0%	0	0% 0%	0	0%	0	0% 0%	0	0%	0	0% 0%	0	0% 0%	0	0%	0	
100415 100416	0	0	0%	0	0%	0 0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	
<u>100417</u> 100418	1 2	0	0%	0	0%	0 0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	
100420	1	0	0%	0	0%	0 0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	
100421 100422	1 0	0	0%	0	0%	0 0%	0	0%	0	0%	0	0%	0	0%	0	0% 0%	0	0%	0	0%	0	
100423 100424	0	0	0%	0	0%	0 0%	0	0% 0%	0	0%	0	0% 0%	0	0%	0	0% 0%	0	0% 0%	0	0%	0	
100665	1	0	0%	0	0%	0 0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	
100666 100667	0	0	0%	0	0%	0 0%	0	0%	0	0%	0	0%	0	0%	0	0% 0%	0	0%	0	0%	0	
100668	1	0	0%	0	0%	0 0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0% 0%	0	0%	0	
100670	0	0	0%	0	0%	0 0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	
100671 100672	1	0	0%	0	0%	0 0% 0 0%	0	0% 0%	0		0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0 0	0%	0	
100673 100674	1	0	0%	0	0%	0 0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0% 0%	0	0%	0	
100675	3	0	0%	0	0%	0 0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	
100676 100677	0	0	0%	0	0%	0 0% 0 0%	0	0% 0%	0	0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0 0	0%	0	
100678	3	0	0%	0	0%	0 0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	
100679 100680	0	0	0%	0	0%	0 0%	0	0%	0		0	0%	0	0%	0	0% 0%	0	0%	0	0%	0	
100681	1	0	0%	0	0%	0 0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	
100682 100683	2	0	0%	0	0%	0 0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	
100684 100685	1 0	0	0%	0	0%	0 0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0% 0%	0	0%	0	
100686	0	0	0%	0	0%	0 0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	
100687 100688	3	0	0%	0	0%	0 0% 0 0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0% 0%	0	0%	0	
100689 100690	1	0	0%	0	0%	0 0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0% 0%	0	0%	0	
100691	1	0	0%	0	0%	0 0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	
100692 100693	2	0	0%	0	0%	0 0% 0 0%	0	0%	0	0%	0	0% 0%	0	0%	0	0% 0%	0	0% 0%	0	0%	0	
100694	1	0	0%	0	0%	0 0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	
100695 100696	0	0	0%	0	0%	0 0% 0 0%	0	0% 0%	0	0%	00	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0%	0	
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